

Schemas (corresponding to our ER design):

Item(item_id: integer, name: string, current_price: real, first_bid: real, bid_started: string, bid_ends: string, num_bids: integer, description: string, **seller_id**: string)

Bid(item_id: integer, **bidder_id**: string, time: string, amount: real)

User(user_id: string, rating: integer, location: string, country: string)

Category(item_id: integer, description: string)

The underlined in each schema refers to the corresponding primary key. Foreign key for each schema is denoted as bold text, and will be further explained below:

seller_id in the Item relation is a foreign key referencing the user_id in the User relation.

item_id in the Bids relation is a foreign key referencing the item_id in the Item relation.

bidder_id in the Bids relation is a foreign key referencing the user_id in the User relation

item_id in the Category table is a foreign key referencing the item_id in Item relation.

